Met Office Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Saturday 30 Dec 2023 until 23:59 on Sunday 31 Dec 2023

Forecast Issued on Friday 29 Dec 2023 at 15:26

Confidence: High confidence for unsettled weather with showery conditions expected over the New Year period. Very windy at times with significant wind chill effect and poor visibility likely in showers. Uncertainty in amount of showers later in the period.

Headline for Saturday 30 Dec 2023: A wet day with heavy rain for much of the day and strong winds, summit gales later.

Mountain weather hazards on Saturday 30 Dec 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales Low Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** Low Likelihood
Thunderstorms Medium Likelihood	**Heavy persistent rain** Low Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Cloudy	Cloudy	Heavy Rain	Heavy Rain	Heavy Rain	Heavy Rain	Heavy Rain
Precipitation probability							
10%	10%	10%	60%	70%	70%	70%	70%

Forecast for Saturday 30 Dec 2023

Weather: Mostly dry in the early hours of Saturday with a few clear spells. Soon after day break an area of rain spreads east over the Peak district and is expected to take most of the day to clear east. Rain will be heavy and persistent at times but may become more showery in the afternoon, very wet conditions underfoot. Accompanied by strong southeasterly winds which will enhance the wind chill effect. Rain turning to showers later in the evening.

Chance of cloud-free hill tops above 600m: 80% falling to 40%, due to rain spreading across the area.

Low cloud and visibility: Few or scattered layers of cloudy around 600m early in the day. Cloud will thicken and lower during the morning with broken layers above 400m, particularly in the west, perhaps higher and more scattered towards northwestern areas with some shelter. Visibility will be good initially in the morning but deteriorating as rain spreads in, becoming poor at times in heavier bursts of rain, improving slightly later in the day as the rain clears east.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Mountain Weather Forecast

Forecast for Saturday 30 Dec 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	22/29 SW	21/28 SW	14/17 SW	21/29 SE	27/36 S	31/42 S	20/29 S	21/31 S	20/28 S
300	16/24 SW	14/24 SW	9/14 S	19/28 SE	21/30 S	24/36 S	12/19 SW	16/24 S	15/23 S
Valley	9/21 SW	7/20 SW	4/14 S	12/26 SE	13/30 SE	16/36 S	7/16 SW	8/20 S	10/22 S

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	0/-7	-0/-7	1/-4	2/-4	4/-2	6/-0	5/0	4/-1	2/-3
300	3/-3	2/-3	3/-0	4/-2	6/2	8/4	6/3	6/2	5/1
Valley	3/-1	2/-1	2/0	4/0	7/3	9/5	7/5	6/3	5/2
Freezing Level*	600m	500m	600m	1200m	1600m	1700m	1400m	1100m	1000m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Severe wind chill expected, cold at height in strong winds combined with rain. Freezing level rises during the morning with all precipitation turning to rain.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Fri 29 Dec 2023	1.4mm	10.2mm	26.1mm

Forecast for Sunday 31 Dec 2023

Weather: A dry start to the day but turning showery in the afternoon with fresh or strong winds, showers will be squally at times.

Maximum wind: Southeasterly 20mph gusts 30mph.

Chance of cloud-free hill tops above 600m: 60%, low cloud building around heavier showers.

Low cloud and visibility: Layers of scattered or broken cloud above 500m, becoming more prevalent as showers group together, out with showers some brighter conditions and possible views. Mainly moderate visibility turning poor in heavier showers.

Temperature: **Valleys:** Plus 3 rising to 8 Celsius.
At 600m: Plus 3 Celsius
Freezing level: 900m

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